Performance Data Sheet

AHA7514AXD

General Information

Model	AHA7514AXD	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	9240	8350	7430	6480	5510	4540	3550
	Watts	1500	1480	1450	1410	1350	1270	1180
	Amps	7.09	7.01	6.88	6.69	6.44	6.11	5.69
	Lb/h	135	126	116	105	93.4	80.2	65.8
-5	Btu/h	10800	9830	8850	7860	6840	5800	4760
	Watts	1620	1610	1580	1550	1500	1430	1340
	Amps	7.58	7.52	7.43	7.28	7.06	6.78	6.41
	Lb/h	157	148	139	128	116	103	88.3
0	Btu/h	12400	11400	10400	9360	8280	7190	6080
	Watts	1740	1730	1720	1690	1650	1590	1520
	Amps	8.10	8.06	7.99	7.87	7.70	7.46	7.14
	Lb/h	182	173	163	153	141	127	113
5	Btu/h	14300	13200	12100	11000	9850	8690	7510
	Watts	1870	1870	1860	1840	1800	1750	1690
	Amps	8.65	8.63	8.58	8.49	8.35	8.15	7.88
	Lb/h	209	200	190	179	167	154	140
10	Btu/h	16300	15100	14000	12800	11600	10300	9070
	Watts	2010	2010	2000	1990	1960	1920	1870
	Amps	9.23	9.23	9.20	9.14	9.03	8.87	8.64
	Lb/h	238	229	220	209	197	183	169
15	Btu/h	18400	17200	16000	14700	13400	12100	10800
	Watts	2160	2160	2160	2150	2130	2100	2050
	Amps	9.86	9.87	9.86	9.83	9.75	9.62	9.43
	Lb/h	270	261	252	241	229	215	201
20	Btu/h	20800	19500	18100	16800	15400	14000	12600
	Watts	2310	2320	2320	2320	2300	2280	2240
	Amps	10.5	10.6	10.6	10.6	10.5	10.4	10.3
	Lb/h	305	296	286	275	263	250	235
25	Btu/h	23300	21900	20500	19000	17600	16100	14600
	Watts	2480	2490	2490	2490	2490	2470	2440
	Amps	11.3	11.3	11.3	11.3	11.3	11.2	11.1
	Lb/h	343	334	324	313	301	288	273

30	Btu/h	26000	24500	23000	21500	19900	18300	16700
	Watts	2660	2670	2670	2680	2680	2670	2650
	Amps	12.1	12.1	12.2	12.2	12.2	12.1	12.0
	Lb/h	384	375	365	354	342	328	314

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.861452E+04	1.755113E+03	8.241500E+00	2.255856E+02
C2	4.361238E+02	2.783486E+01	1.138641E-01	5.126994E+00
C3	-5.054103E+01	-2.447784E+00	-1.227253E-02	-3.465257E-01
C4	4.132688E+00	2.470321E-01	1.058891E-03	4.604470E-02
C5	-9.898051E-01	-1.396459E-01	-5.295033E-04	7.344828E-04
C6	-4.056447E-01	5.898626E-02	2.634517E-04	-1.465780E-03
C7	1.175857E-02	1.109777E-03	9.337125E-06	2.386940E-04
C8	-1.330472E-02	-1.250548E-03	-5.594562E-06	-8.436283E-06
C9	-1.156532E-03	1.340213E-03	5.438022E-06	-4.964478E-06
C10	9.089577E-04	-3.836675E-04	-1.657446E-06	-1.294234E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature